Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBRM: 74/16-17

(For Other Works)

No. **First & Part** Date 21-9-2016

Division: **Byatarayanapura** Sub-Division: **Byatarayanapura sub division**

Bill Received No. 647 Dated Divisional Cash Book Voucher No…….. Dated……

Sub Divisional **Work Code:** 006-14-000092

Schedule Docket No. Head of Account: P-26574 Est.Cost: 135.00 Lakhs D.R.No. :

Name of Work (as per sanctioned estimate: **Construction of Samudaya Bhavana at Hegdenagara (near Dry Waste collection center) in ward no. 06, Byataryanapura sub division.**

Name of Contractor and Full Address: Sri. P. Hemanth (Soorya Creaters), #109,/110, 4th Cross, 6th main,Vivekananda Road, Balaji layout, Nagashettyhalli, Sanjaynagara, Bangalore-94.

Reference to Agreement No. BBMP/EE/BTP/WO/148 /2016-17 Date: 03.06.2016

Certified that the measurements were taken by me on 21.9.2016 and recorded of Pages 350801-826 of measurement Book No.**3509/2016-17** and that the work is satisfactorily executed.

P Hemanth
Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 21/9/2016 ……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

P Hemanth
Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	21/9/2016
2)	Deduct amount to be held in reserve being ……percent Rs……	
3)	" Balance	
4)	Deduct Payment:	Total Amt. 71,05,281-0
a)	Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No…… adjusted towards cash advance recovery of	Amount
b)	Payments Now made: cost store or other material supplied.	
	recovery of amount creditable to this/other work	
	Amount paid on this bill Cheque / Cash.	Cheque: 65,36,858-0
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

IT- 142106-0
VAT 284211-0
Cess- 71053-0
CBF- 7105-0
LR- 63948-0
Adj- 568423-0

P Hemanth
Contractor's Signature

Received Rs…….. (in words)……
……
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No……Dated……
Cash Rs……..
Dated……
Initials of Officer making payment

(For use in the Office)

71,05,281-0
568423-0
65,36,858-0

Stamp

Executive Engineer

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate	Unit
1	Earth work in surface excavation in Ordinary soil for levelling and lowering the ground manually (other th foundation of buildings, culverts, road, drains and trenches of pipes lines and cables) and removing the excavate stuff to a distance not exceeding 50m and lift upto 1.5m excavated surface levelled and neatly dressed earth to be levelled after breaking of clods and neatly dressedetc complete as per specifications and directions of engineer in charge of the work.	Cum
2	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. etc complete as per specifications and directions of engineer in charge of the work.	Cum
3	Providing and filling in foundation with granite/trap broken metal 100mm, and down size, with approved sand including had packing, ramming, watering, including cost of all materials and labour with all lead and lift, etc complete as per specifications and directions of engineer in charge of the work.	Cum
4	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
5	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
6	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
7	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour etc complete as per specifications and directions of engineer in charge of the work.	Cum
8	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm
9	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
10	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. etc complete as per specifications and directions of engineer in charge of the work.	Cum
11	Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work.	Sqm
12	Providing mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work.	Qtl

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	378	155.68	**58847.04**	378.00	58847.04	
-	-	567.35	280.45	**159113.31**	567.35	159113.31	
-	-	37.11	2079.91	**77185.46**	37.11	77185.46	
-	-	45.32	5137.39	**232826.51**	45.32	232826.51	
-	-	169.05	3898.83	**659097.21**	169.05	659097.21	
-	-	59.39	4814.58	**285937.91**	59.39	285937.91	
-	-	567.35	125.92	**71440.71**	567.35	71440.71	
-	-	45.36	98.44	**4465.24**	45.36	4465.24	
-	-	59.91	6853.28	**410580.00**	59.91	410580.00	
-	-	240.76	6197.37	**1492078.80**	240.76	1492078.80	
-	-	20.76	485.35	**10075.87**	20.76	10075.87	
-	-	263.03	8453.57	**2223542.52**	263.03	2223542.52	

13	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 3000x300mm square, (e) the whole terrace so finished	Sqm
18	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum
20	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm
21	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm
22	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm
23	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm
99	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction etc complete as per specifications and directions of engineer in charge of the work	Each BW
100	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) etc complete as per specifications and directions of engineer in charge of the work 0 to 50 m	Rmtr
101	50 to 100 m	Rmtr
102	100 to 150 m	Rmtr
103	150 to 200 m	Rmtr
104	200 to 250 m	Rmtr
105	250 to 300 m	Rmtr
106	300 to 350 m	Rmtr
107	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty etc complete as per specifications and directions of engineer in charge of the work	Rmtr
108	Providing 250mm dia PVC Pipe 6kg/cm etc complete as per specifications and directions of engineer in charge of the work	Rmtr
109	Providing and fixing 160mm Borewell Cap etc complete as per specifications and directions of engineer in charge of the work	Each

-	-	275.6	928.35	**255853.26**	275.60	255853.26	
-	-	45.85	5137.39	**235549.33**	45.85	235549.33	
-	-	287.43	333.11	**95745.81**	287.43	95745.81	
-	-	21.12	286.17	**6043.91**	21.12	6043.91	
-	-	562.72	250.69	**141068.28**	562.72	141068.28	
-	-	62.56	310.21	**19406.74**	62.56	19406.74	
-	-	1	2032.37	**2032.37**	1.00	2032.37	
-	-	50	330.45	**16522.50**	50.00	16522.50	
-	-	50	431.96	**21598.00**	50.00	21598.00	
-	-	50	480.56	**24028.00**	50.00	24028.00	
-	-	50	507.55	**25377.50**	50.00	25377.50	
-	-	50	587.47	**29373.50**	50.00	29373.50	
-	-	50	629.58	**31479.00**	50.00	31479.00	
-	-	49.2	664.14	**32675.69**	49.20	32675.69	
-	-	80	1430.87	**114469.60**	80.00	114469.60	
-	-	18	814.75	**14665.50**	18.00	14665.50	
-	-	1	107.99	**107.99**	1.00	107.99	

110	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 20 stage. etc complete as per specifications and directions of engineer in charge of the work Kirloskar Pumps including of all taxes 15 HP 30 Stage	No
111	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark etc complete as per specifications and directions of engineer in charge of the work	Rmtr
112	Heavy Duty Collar 50 mm dia	Nos
113	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-b(1) 6 Sqm mm of 56 strands 0.3mm dia Group - A etc complete as per specifications and directions of engineer in charge of the work	Mtr
114	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) etc complete as per specifications and directions of engineer in charge of the work	No
115	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc complete as per specifications and directions of engineer in charge of the work	Each
116	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.4 core 16 Sqmm etc complete as per specifications and directions of engineer in charge of the work	Mtr
117	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, In existing trencg/duct 6Sqmm to 16 Sqmm) etc complete as per specifications and directions of engineer in charge of the work	Mtr
118	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB 1-2 P-7) etc complete as per specifications and directions of engineer in charge of the work For Cutting Road Surface	Mtr
119	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class etc complete as per specifications and directions of engineer in charge of the work 40mm dia GI pipe	Mtr
120	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc complete as per specifications and directions of engineer in charge of the work 16Sqmm	No.
121	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, etc complete as per specifications and directions of engineer in charge of the work	No
122	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc complete as per specifications and directions of engineer in charge of the work	No.
123	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments etc complete as per specifications and directions of engineer in charge of the work	Nos
124	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc complete as per specifications and directions of engineer in charge of the work 50mm dia	No
125	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete as per specifications and directions of engineer in charge of the work	No
126	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications and directions of engineer in charge of the work	No

	-	1	75592.19	**75592.19**	1.00	75592.19	
-	-	280	404.96	**113388.80**	280.00	113388.80	
-	-	47	140.39	**6598.33**	47.00	6598.33	
-	-	580	199.78	**115872.40**	580.00	115872.40	
-	-	1	3239.70	**3239.70**	1.00	3239.70	
-	-	1	307.77	**307.77**	1.00	307.77	
-	-	50	161.99	**8099.50**	50.00	8099.50	
-	-	50	8.64	**432.00**	50.00	432.00	
-	-	45	64.79	**2915.55**	45.00	2915.55	
-	-	4	259.18	**1036.72**	4.00	1036.72	
-	-	1	280.77	**280.77**	1.00	280.77	
-	-	1	2105.81	**2105.81**	1.00	2105.81	
-	-	6	107.99	**647.94**	6.00	647.94	
-	-	1	1203.07	**1203.07**	1.00	1203.07	
-	-	1	217.49	**217.49**	1.00	217.49	
-	-	4	86.39	**345.56**	4.00	345.56	
-	-	1	377.97	**377.97**	1.00	377.97	

127	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications and directions of engineer in charge of the work	No
128	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 etc complete as per specifications and directions of engineer in charge of the work	Sq.Cm
129	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. 12.5HP to 15 HP Star Delta Starter etc complete as per specifications and directions of engineer in charge of the work	No.
	Total	

Certificate

1 Certified that the above work done satisfactory and no materials issued from departmentally

21.9.2016

-	-	1	1079.90	**1079.90**	1.00	1079.90	
-	-	23400	0.36	**8424.00**	23400.00	8424.00	
-	-	1	11878.90	**11878.90**	1.00	11878.90	
				7105231.92		**7105231.92**	

21/09/2016